

Report Date: 27 Mar 2015
Summary Report for Crew Drill Drill Task
Drill Number: 07-4-D9321
Drill Title: Take 120-mm Mortar Out of Action
Status: Approved
Status Date: 27 Mar 2015

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD6 - This product/publication has been reviewed by the product developers in coordination with the MCoE G-2 foreign disclosure authority. This product is releasable to students from foreign countries on a case-by-case basis.

Drill Data

Proponent: 07 - Infantry (Collective)

Drill Type: Crew Drill

Approved:

Obsolete:

Restricted Read: No

Route To TMD Reviewer: No

TMD Concurrence:

TMD Comments:

Safety Level: Low

Conditions:

The unit is conducting operations as part of a higher headquarters. The squad is required to take the mortar out of action prior to displacing to a new battle position.

Some iterations of this task should be performed in MOPP 4.

Standards:

The squad leader gives the command "OUT OF ACTION" The mortar squad conducts out of action for the 120-mm IAW FM 3-22.90 and the unit standard operating procedures (SOP). Selector switch is on safe, "S-showing."

Drill Statements:

DANGER	
NONE	
WARNING	
NONE	
CAUTION	
NONE	

Safety: In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. .

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT. .

Cue: The squad leader initiates drill by giving the command, "OUT OF ACTION."

Coaching Point: NONE

TASK STEPS

- * 1. The squad leader commands, "OUT OF ACTION."
 2. The gunner places the weapon on SAFE.
 3. The second ammunition bearer retrieves aiming posts, places them in their case, and puts the case on the right side of the mortar.
 4. The gunner places a deflection of 3800 mils and an elevation of 0800 mils on the sight.
 5. The gunner removes the sight from the dovetail slot and places the sight in the sight case. He replaces the sight mount cover and secures it with the snap button.
- Note: Left and right are in relation to the mortar's direction of fire.
6. The gunner loosens the clamp handle assembly.
 7. The gunner slides the buffer housing assembly up the barrel until it is aligned with the white line on the cannon near the muzzle. The white line on the barrel must match with the white line on the clamp handle assembly. He tightens the buffer housing assembly until he hears a metallic click. The gunner continues turning the handle until it is parallel to the barrel.
 8. The gunner centers the traversing extension and the traversing mechanism.
 9. The gunner lowers the elevation so that about four fingers or three to four inches of the elevating mechanism remains exposed.
 10. The assistant gunner loosens the cross-level locking knob while the gunner steadies the barrel.
 11. The first ammunition bearer positions himself to the right side of the trailer. He positions the trailer behind the baseplate with the towing eye almost straight up. Second ammunition bearer will assist when he has completed his task of retrieving the aiming posts.
 12. The first ammunition bearer holds the trailer in place with the barrel cradle touching the top of the breech cap. He blocks the wheels so that the trailer does not roll.
 13. The #2 ammunition bearer releases the clamping catch on the trailer bridge assembly and swings the bridge assembly out of the way.
 14. The gunner and the #2 ammunition bearer grasps the traversing mechanism and bipod legs and swings the barrel and bipod over the baseplate and onto the trailer. The assistant gunner loosens the cross leveling locking knob and assist in raising the bipod legs, then joins the legs and rotates them 180 degrees.
 15. With the trailer still in the upright position, the number one ammunition bearer make sure that the upper collar stop is placed just forward of the upper barrel bracket on the trailer.
 16. The assistant gunner holds and lifts the baseplate onto the trailer as the first ammunition bearer returns the trailer to the towing position, lifting the entire mortar onto the trailer.
 17. The gunner attaches the hook on the spreader chain to the eye on the bipod leg. He adjusts the elevation so that the bipod legs will fit under the trailer bridge assembly and retightens the locking knob.
 18. The assistant gunner closes the trailer bridge assembly. He locks the baseplate with the lock release lever and secures it with the pin. He then secures the trailer bridge assembly with the clamping catch.
 19. The first ammunition bearer emplaces the muzzle cap.
 20. The first ammunition bearer moves to the driver's side of the towing eye. The second ammunition bearer moves to the passenger's side of the towing eye. Together, they move the trailer to the vehicle and hook the trailer to the towing pintle of the vehicle. To include the trailer light cable and safety chains.

21. The gunner secures the sight case.

22. The assistant gunner secures the aiming post case.

* 23. The squad leader inspects squad members to ensure all equipment is accounted for and properly secured.

* 24. The squad leader announces, "NUMBER (Number of gun) GUN, OUT OF ACTION."

(Asterisks indicates a leader performance step.)

TASK MEASURES

1. The squad leader commanded, "OUT OF ACTION."
 2. The gunner placed the weapon on SAFE.
 3. The second ammunition bearer retrieved the aiming posts.
 4. The gunner placed a deflection of 3800 mils and an elevation of 0800 mils on the sight.
 5. The gunner removed the sight from the dovetail slot and placed the sight in the sight case.
 6. The gunner loosened the clamp handle assembly.
 7. The gunner slid the buffer housing assembly up the barrel until it was aligned with the white line on the cannon near the muzzle.
 8. The gunner centered the traversing extension and the traversing mechanism.
 9. The gunner lowered the elevation.
 10. The assistant gunner loosened the cross-level locking knob.
 11. The first ammunition bearer positioned himself to the right side of the trailer.
 12. The first ammunition bearer held the trailer in place with the barrel cradle touching the top of the breech cap.
 13. The #2 ammunition bearer released the clamping catch on the trailer bridge assembly.
 14. The gunner and the #2 ammunition bearer grasped the traversing mechanism and bipod legs.
 15. The number one ammunition bearer made sure that the upper collar stop was placed just forward of the upper barrel bracket on the trailer.
 16. The assistant gunner held and lifted the baseplate onto the trailer.
 17. The gunner attached the hook on the spreader chain to the eye on the bipod leg.
 18. The assistant gunner closed the trailer bridge assembly.
 19. The first ammunition bearer emplaced the muzzle cap.
 20. The first ammunition bearer moved to the driver's side of the towing eye.
 21. The gunner secured the sight case.
 22. The assistant gunner secured the aiming post case.
 23. The squad leader inspected squad members.
 24. The squad leader announced, "NUMBER (Number of gun) GUN, OUT OF ACTION."
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Talk:

a.Orientation: The objective of this squad drill is to provide the squad with basic skills necessary to take a 120-mm mortar out of action.

b.Safety: None

c.Demonstration: If another squad has successfully performed this drill, have that squad demonstrate it. During the demonstration, explain what is being done and why, using the performance measures as a guide. After the demonstration, summarize the actions performed by the demonstrating squad.

d.Explanation: (1) Refer to the performance measures and explain what the squad leader, gunner, assistant gunner, and ammunition bearers is required to do upon hearing "OUT OF ACTION."

(2) Ensure that the squad leader and squad members know their duties and responsibilities pertaining to each portion of the drill.

(3) Ask if there are any questions pertaining to the drill. If so, ensure that all questions are correctly answered before beginning to train the drill.

e.Unit Instructions: a. Resources.

(1) Unit vehicle and trailer

(2) 120-mm mortar

(3) Ammunition

(4) All other required Table(s) of organization and equipment (TOE) assigned personnel and equipment.

b. Training Site: A mortar firing range or training area with sufficient mask and overhead clearance.

c. Unit Instructions. The squad is must move to a new battle position and the squad leader commands, "OUT OF ACTION."

Walk:

1. Refer to the performance measures and have each squad member perform his part slowly at first as the leader talks him through.

2. NONE

Run:

a.Run-Through Instructions: The unit should practice this drill until they can perform it according to standard, without using notes. The initial run-through exercise should be conducted slowly. The soldiers should change positions in order to learn all steps and standards.

b.Coaching Point: NONE

c.Performance Instructions: When the soldiers can perform this drill according to the standard, they should be evaluated by the platoon leader or sergeant.

Equipment (LIN)

Step ID	LIN	Nomenclature	Qty
No equipment specified			

Materiel Items (NSN)

Step ID	NSN	LIN	Title	Qty
No materiel items specified				

Support Personnel

Personnel Type	Description	School	Qty	Remarks
No support personnel specified				

TADSS

Step ID	TADSS ID	Title	Product Type	Qty
	07-13A	Mortar, Pneumatic/ M32	DVC	1
	07-13B	Pneumatic Mortar Trainer/ M32A1	DVC	1
	DVC-VBS2	VIRTUAL BATTLESPACE 2 (Local TADSS – Not in TSMATS/PAM 25-30)	DVC	1

Supporting Individual Tasks

Step ID	Task ID	Status	Task Title
	071-074-0044	Approved	Supervise a Mortar Squad
	071-11C-0200	Approved	Maintain a 120-mm Mortar
	071-11C-1005	Approved	Store Mortar Ammunition

Prerequisite Individual Tasks

Step ID	Task ID	Status	Task Title
No prerequisite individual tasks specified			

Supporting Collective Tasks

Step ID	Task ID	Status	Title
	07-3-3054	Approved	Fire a Mortar Adjust Fire Mission (Section-Platoon)

Prerequisite Collective Tasks

Step ID	Task ID	Status	Title
No prerequisite collective tasks specified			

Supporting Drill Tasks

Step ID	Drill ID	Status	Drill Title
	07-4-D9310	Approved	Place 120-mm Mortar into Action

OPFOR

Task Number	Title	Status
71-0-0014	Disruption	Approved

REFERENCES

Step Number	Reference ID	Reference Name	Required	Primary
	ATTP 3-21.90	Tactical Employment of Mortars	Yes	No
	FM 3-22.90	Mortars	Yes	Yes

Training Setup

A mortar firing range or training area with sufficient mask and overhead clearance.

Training Facilities

Facility ID	Facility Name	Facility Type
No Training Facilities		

DODIC

DODIC	Name	Qty
No DODIC		

Associated Documents

Media ID	Media Type	Title	Subtitle
No Associated Documents			

GLOSSARY TERMS

Glossary Term	Definition
No glossary terms specified	

ACRONYMS AND ABBREVIATIONS

Acronym/Abbreviation	Definition
No acronyms/abbreviations specified	